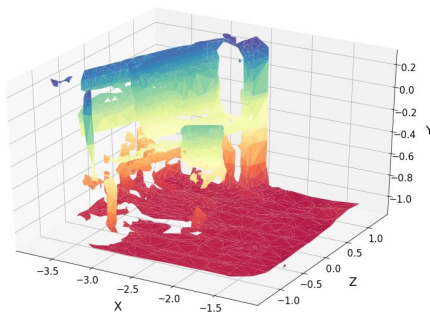


True space i

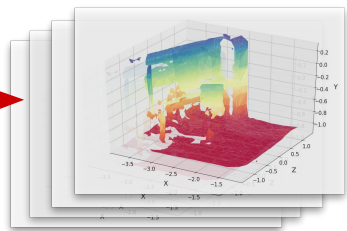


Mixed Reality Device
e.g. Microsoft Hololens

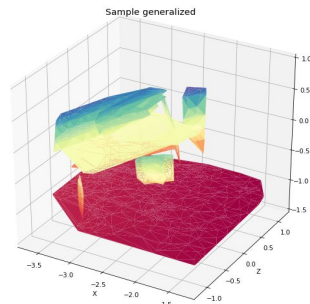
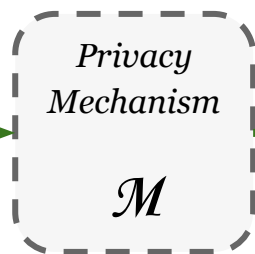


\mathcal{X}_i

Input Point Cloud
of the True space



Historical or previously
collected 3D data

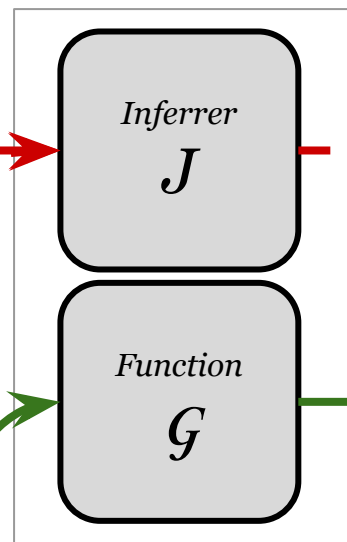


\mathcal{Z}_i

Transformed Point Cloud
of the True space

1

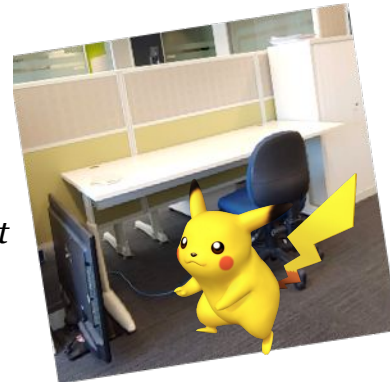
2



Adversarial application

$\mathcal{H}: I | \mathcal{Z}$
Hypothesis

\mathcal{Y}
Output



Example Output
e.g. Pokémon walking around